Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO
JAMES A. RHODES, *Governor*
GARY E. STEIN, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
OCTOBER 1982

Joblessness in Ohio increased over 50,000 between September and October --from 629,000 to 681,000--raising the unemployment rate from 12.3 to 13.2 percent. Total employment slipped .2 percent, to 4,482,000. Layoffs of factory workers lowered nonfarm payrolls similarly, to 4,209,000.

Manufacturing employment in Ohio dropped to a 33-year low of 1,091,000 --down 2.1 percent. Auto manufacturers and producers of automotive castings and stampings reported additional layoffs. Lack of orders was also chiefly responsible for separations in the production of refrigeration machinery, electrical equipment, and metalworking machinery. Layoffs, coupled with labor-management disputes, lowered employment in construction machinery and plastic products. Employment in food production declined seasonally.

Employment in Ohio's nonmanufacturing industries advanced .5 percent to 3,119,000 in October. Most of the increase occurred as schools and colleges added nonteaching personnel. Department and apparel stores also rose seasonally. Gains were moderated, however, as many warm-weather businesses --amusement parks, drive-ins, outdoor concessions--halted operations.

Average weekly earnings of Ohio's factory production workers slipped $6 from the previous month, to $404.59 in October. The average workweek dipped below 40 hours, to 39.9--down .4 hours from September. Overtime curtailments and layoffs of higher-paid production employees lowered earnings in motor vehicles and automotive castings. Less overtime was also reported in the production of plastics and dairy products. Stepped-up overtime, on the other hand, boosted earnings in the manufacture of aircraft components, industrial machinery, and structural clay products. Wage-rate hikes were reported among producers of household appliances, glassware, and industrial inorganic chemicals. Higher earnings in pottery production were attributable to hourly-rate increases plus overtime.

Unemployment in Ohio climbed by over 175,000 between October 1981 and October 1982, lifting the jobless rate from 9.9 to 13.2 percent. Total employment dropped 2.1 percent over the year, as nonfarm payrolls declined 3.5 percent. Manufacturing was down 11.5 percent, due primarily to substantial losses in nonelectrical machinery, iron and steel production, and fabricated metals. Nonmanufacturing dipped as declines in retailing, construction, and government offset expansion in services. Factory production workers grossed $11 more per week in October 1982 than in October 1981, although the average workweek was shorter by half an hour.

For additional Labor Market Information, write
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EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--October nonfarm payroll employment in Akron totaled 255,200, representing a loss of 500 from September. The decrease occurred in manufacturing--mainly durable-goods industries--down 600, to 69,000 for the month. Seasonal gains in university employment boosted nonmanufacturing despite declines in services and retail trade. The average factory production workweek, at 41.0 hours, was unchanged, while average hourly earnings, at $9.95, were up 4¢ from September.

Canton.--Workers on nonfarm payrolls in Canton numbered 152,400 in October, down 900 from September. Widespread decreases in durable goods lowered manufacturing by 1,100, to 48,800 for the month. In nonmanufacturing, seasonal hiring in public schools was largely offset by cutbacks in other industries--notably retailing. Production workers in factories grossed $10.48 per hour, up 10¢ from September. Their average workweek slipped .2 hours, to 39.1 hours.

Cincinnati.--Cincinnati's nonagricultural wage and salary employment declined 500 from September, to 588,300 in October. The decrease occurred in manufacturing, as recalls in motor vehicles and equipment were more than offset by cutbacks in other component industries. Widespread seasonal losses in nonmanufacturing were balanced by a pickup in education. The hourly earnings of the average manufacturing production worker, at $9.61 an hour, were down 5¢ from September. The average workweek, at 40.0 hours, was .5 hours shorter.

Cleveland.--Nonagricultural wage and salary employment in the Cleveland area totaled 855,100 in October, down 1,800 from September. Manufacturing, down 4,700, to 223,000, accounted for the overall loss, due to a labor-management dispute in construction machinery, as well as cutbacks in other industries. Nonmanufacturing increased as nonteaching personnel returned from summer furloughs in education. Average hourly earnings of factory production workers decreased 8¢, to $10.18 an hour. Average weekly hours, at 39.3, were down .3 hours.

Columbus.--Nonfarm establishments in Columbus employed 512,500 wage and salary workers in October, up 7,100 from September. Schools and colleges added personnel at the beginning of the new academic year, boosting nonmanufacturing. Manufacturing, however, decreased 200, to 88,200 for the month. The average workweek for factory production workers, at 39.9 hours, and their average hourly earnings, at $9.49 for the month, were little changed from September.

Dayton.--Dayton's nonagricultural wage and salary employment totaled 347,800 in October, down 200 from September. Manufacturing dropped 2,000, to 87,700, as producers of motor vehicles and their component parts reported layoffs. Nonmanufacturing, on the other hand, expanded seasonally, due to growth in education. Production workers in manufacturing industries grossed $10.00 per hour, down 9¢ from September. Their average workweek, at 39.4 hours, was .4 hours shorter.

Toledo.--Nonfarm payroll employment in Toledo increased 1,500 from September, to 289,000 in October. Seasonal expansion in services and education boosted nonmanufacturing. Manufacturing, at 67,200, was down 1,900 from September. Much of this decrease was due to seasonal cutbacks in canning, as well as widespread losses in durable goods. The average workweek of factory production workers slipped .3 hours, to 41.4 hours. Hourly earnings rose 6¢, to $10.94 per hour.

Youngstown-Warren.--Nonagricultural establishments in the Youngstown-Warren area employed 186,900 wage and salary workers in October, down 400 from September. Manufacturing decreased 200, to 54,900 for the month, as layoffs in transportation equipment and fabricated metal products were partially offset by gains in blast furnace and basic steel products. In nonmanufacturing, seasonal pickups in education were more than offset by seasonal losses in other component industries. The average factory production worker grossed $11.58 per hour, down 17¢ from September. His workweek was little changed at 39.6 hours.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 11-17-82

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	863.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.0	157.3	593.9	880.8	508.3	353.4	290.9	199.1
1981								
October .	263.2	158.9	597.9	885.3	515.4	356.9	295.3	201.6
November.	261.1	157.9	597.1	883.6	515.6	357.0	292.3	201.8
December.	260.6	157.0	596.2	875.6	514.7	356.1	290.8	193.1
1982								
January .	252.2	152.9	576.7	856.1	499.9	349.0	281.9	191.8
February.	252.4	152.0	574.8	854.9	498.6	345.5	281.6	185.4
March ...	253.4	152.5	579.6	856.0	501.8	345.3	283.4	187.9
April ...	255.1	153.2	585.4	860.8	504.1	346.3	285.5	186.8
May	257.3	154.6	589.4	866.1	506.3	346.6	288.6	190.4
June	252.1	155.9	592.5	870.1	509.2	347.8	288.1	191.4
July	251.0	155.0	581.7	861.6	501.6	342.7	280.2	187.5
August ..	250.9	153.4	582.4	857.7	502.5	341.0	281.3	189.3
September	255.7	153.3	588.9	856.9	505.4	348.0	287.5	187.4
October .	255.2	152.4	588.3	855.1	512.5	347.8	289.0	186.9
	MANUFACTURING EMPLOYMENT (in thousands)							
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.2	55.7	162.5	254.9	96.8	99.3	75.4	70.8
1981	75.9	55.3	158.4	247.4	93.6	97.8	74.0	67.7
1981								
October .	76.1	56.0	158.4	248.7	93.6	98.1	74.1	68.8
November.	74.9	55.1	158.6	245.9	93.2	98.0	71.5	68.3
December.	74.3	54.0	156.7	236.9	92.0	96.7	70.1	59.9
1982								
January .	73.0	52.7	151.9	238.0	91.0	95.7	68.5	63.6
February.	72.1	52.1	149.6	236.9	89.9	93.0	68.8	56.8
March ...	71.9	51.8	150.9	234.3	89.2	91.2	68.7	58.7
April ...	71.6	50.7	150.5	233.2	88.4	90.6	68.4	55.9
May	71.4	51.0	151.0	232.6	87.8	90.2	69.0	57.8
June	70.8	52.1	151.7	232.8	88.5	90.7	69.2	57.6
July	69.4	51.7	149.3	228.9	88.3	90.6	67.2	56.8
August ..	69.2	50.3	150.1	226.6	88.0	88.5	68.8	52.7
September	69.6	49.8	151.1	227.7	88.3	89.7	69.1	55.1
October .	69.0	48.8	150.6	223.0	88.2	87.7	67.2	54.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j]Youngstown-Warren includes Mahoning and Trumbull Counties.

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Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1971	53.8	43.2	111.5	187.4	68.8	82.3	60.6	70.6
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.9	40.0	104.3	162.3	61.6	64.4	48.8	51.1
1981								
October .	43.3	40.4	104.3	162.4	61.4	64.8	49.0	52.3
November.	41.9	39.4	104.6	159.4	61.1	64.6	47.1	51.7
December.	41.4	38.3	102.8	150.4	60.1	63.4	45.9	43.8
1982								
January .	40.2	37.1	98.7	152.0	59.3	62.4	44.3	47.2
February.	39.4	36.6	96.8	151.4	58.2	59.8	44.8	41.2
March ...	39.3	36.2	98.2	149.0	57.5	58.4	44.8	42.8
April ...	39.2	35.2	97.7	148.2	56.8	57.9	44.7	40.4
May	39.1	35.7	98.3	147.7	56.3	57.8	45.1	41.9
June	38.5	36.9	99.1	148.0	57.0	58.4	45.3	42.0
July	37.2	36.4	96.8	144.6	56.9	58.1	43.3	41.1
August ..	37.1	35.3	97.3	142.4	56.7	56.2	45.0	37.3
September	37.7	35.0	98.3	144.3	56.8	57.5	45.5	39.5
October .	37.2	34.0	98.1	139.8	56.5	55.9	43.8	39.4
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1971	40.6	38.9	41.0	40.6	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1981								
October .	41.2	39.7	40.7	40.7	39.8	41.1	41.1	39.8
November.	41.5	39.8	41.0	40.8	40.3	41.0	40.7	40.4
December.	42.4	40.2	41.1	40.7	40.4	41.1	41.3	39.1
1982								
January .	40.6	38.2	39.8	38.8	39.5	39.5	39.7	39.1
February.	41.6	39.3	39.8	40.2	39.8	40.0	41.0	39.3
March ...	41.2	38.7	39.9	40.1	39.4	39.5	40.9	39.1
April ...	40.8	38.9	40.2	40.1	39.4	39.8	40.3	38.6
May	41.0	38.9	40.6	40.5	39.7	40.0	41.0	39.3
June	41.5	39.4	41.0	41.0	40.1	41.2	41.8	40.1
July	41.0	38.6	40.4	40.0	39.4	41.1	41.8	39.4
August ..	40.2	38.5	40.7	40.1	39.6	40.3	41.4	37.9
September	41.0	39.3	40.5	39.6	39.8	39.8	41.7	39.5
October .	41.0	39.1	40.0	39.3	39.9	39.4	41.4	39.6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j]Youngstown-Warren includes Mahoning and Trumbull Counties. [k]Not comparable to prior data due to change in sample composition.

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EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1971	$4.36	$4.09	$3.89	$4.15	$3.77	$4.49	$4.26	$4.46
1972	4.68	4.48	4.15	4.50	4.06	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1981								
October .	9.66	9.98	8.99	9.83	8.96	9.96	10.20	11.58
November.	9.70	10.01	9.08	9.83	9.05	9.88	10.22	11.69
December.	9.71	10.09	9.14	9.71	9.07	9.95	10.46	11.59
1982								
January .	9.73	9.95	9.26	9.82	9.04	9.92	10.58	11.73
February.	9.77	10.05	9.24	9.86	9.05	9.82	10.70	11.70
March ...	9.83	10.01	9.41	9.93	9.12	9.84	10.80	11.69
April ...	9.80	10.08	9.43	9.99	9.18	9.94	10.80	11.59
May	9.78	10.13	9.53	10.12	9.27	10.06	10.91	11.70
June	9.81	10.24	9.62	10.25	9.31	10.42	10.98	11.71
July	9.68	10.15	9.64	10.22	9.37	10.28	11.06	11.85
August ..	9.79	10.34	9.60	10.18	9.40	10.06	10.91	11.64
September	9.91	10.38	9.66	10.26	9.47	10.09	10.88	11.75
October .	9.95	10.48	9.61	10.18	9.49	10.00	10.94	11.58
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1971	$177.02	$159.10	$159.49	$168.49	$149.29	$182.29	$176.36	$184.64
1972	197.03	181.89	173.89	190.35	164.02	201.45	196.14	201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1981								
October .	397.99	396.21	365.89	400.08	356.61	409.36	419.22	460.88
November.	402.55	398.40	372.28	401.06	364.72	405.08	415.95	472.28
December.	411.70	405.62	375.65	395.20	366.43	408.95	432.00	453.17
1982								
January .	395.04	380.09	368.55	381.02	357.08	391.84	420.03	458.64
February.	406.43	394.97	367.75	396.37	360.19	392.80	438.70	459.81
March ...	405.00	387.39	375.46	398.19	359.33	388.68	441.72	457.08
April ...	399.84	392.11	379.09	400.60	361.69	395.61	435.24	447.37
May	400.98	394.06	386.92	409.86	368.02	402.40	447.31	459.81
June	407.12	403.46	394.42	420.25	373.33	429.30	458.96	469.57
July	396.88	391.79	389.46	408.80	369.18	422.51	462.31	466.89
August ..	393.56	398.09	390.72	408.22	372.24	405.42	451.67	441.16
September	406.31	407.93	391.23	406.30	376.91	401.58	453.70	464.13
October .	407.95	409.77	384.40	400.07	378.65	394.00	452.92	458.57

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CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
	AKRON[b]					CANTON[c]			
1971	277.7	261.3	16.3	5.9	1971	164.9	152.3	12.6	7.6
1972	282.2	267.3	14.8	5.3	1972	165.6	155.3	10.3	6.2
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	303.9	278.2	25.7	8.5	1980	187.7	170.8	16.8	9.0
1981	301.8	273.2	28.6	9.5	1981	188.1	170.1	18.0	9.6
1981					1981				
September	302.6	273.1	29.5	9.7	September .	189.2	169.1	20.1	10.6
October ...	302.2	273.7	28.6	9.4	October ...	187.0	169.5	17.5	9.4
November ...	304.6	272.2	32.4	10.6	November ..	188.8	168.9	19.9	10.5
December ...	302.7	269.0	33.7	11.1	December ..	187.8	166.2	21.6	11.5
1982					1982				
January	298.4	264.2	34.2	11.5	January ...	187.7	164.1	23.6	12.6
February ...	295.5	260.4	35.1	11.9	February ..	184.6	161.0	23.6	12.8
March	297.2	261.9	35.3	11.9	March	187.3	161.9	25.4	13.6
April	299.7	265.7	34.0	11.4	April	188.5	163.9	24.6	13.1
May	301.5	270.4	31.1	10.3	May	190.3	167.0	23.3	12.2
June	305.4	269.9	35.4	11.6	June	196.5	170.8	25.7	13.1
July	310.8	273.2	37.6	12.1	July	201.7	172.7	29.1	14.4
August	309.8	272.2	37.6	12.1	August	199.0	170.2	28.8	14.5
September[p] .	304.5	268.5	36.0	11.8	September[p].	193.1	166.9	26.2	13.6
	CINCINNATI[d]					CLEVELAND[e]			
1971	550.0	516.0	34.0	6.2	1971	866.7	811.7	55.0	6.3
1972	561.0	529.0	32.0	5.7	1972	873.2	825.2	48.0	5.5
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.9	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	604.8	566.6	38.2	6.3	1976	897.7	834.4	63.3	7.0
1977	623.4	588.7	34.7	5.6	1977	908.5	854.4	54.0	5.9
1978	648.3	615.8	32.5	5.0	1978	921.7	878.5	43.2	4.7
1979	663.4	628.1	35.3	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.0	68.2	7.3
1981	678.6	619.2	59.5	8.8	1981	929.2	850.8	78.4	8.4
1981					1981				
September ..	680.1	616.3	63.8	9.4	September .	922.4	839.8	82.6	9.0
October	678.9	616.1	62.7	9.2	October ...	923.6	843.7	79.9	8.7
November ...	684.3	617.1	67.2	9.8	November ..	931.4	844.3	87.1	9.4
December ...	679.4	611.6	67.8	10.0	December ..	921.1	829.1	92.1	10.0
1982					1982				
January	665.4	594.4	71.1	10.7	January ...	905.6	821.3	84.4	9.3
February ...	657.0	585.6	71.4	10.9	February ..	892.2	809.1	83.0	9.3
March	664.3	591.2	73.0	11.0	March	903.7	811.3	92.5	10.2
April	669.7	601.4	68.3	10.2	April	910.4	821.7	88.6	9.7
May	675.9	611.2	64.7	9.6	May	921.3	834.7	86.5	9.4
June	696.8	622.8	74.0	10.6	June	953.0	849.8	103.2	10.8
July	696.7	622.5	74.2	10.6	July	958.8	855.9	102.9	10.7
August	695.4	622.7	72.7	10.5	August	954.2	848.8	105.4	11.0
September[p] .	688.4	618.2	70.2	10.2	September[p].	929.0	830.1	98.9	10.6

[a]Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census. [b]Defined as Portage and Summit Counties. [c]Defined as Carroll and Stark Counties. [d]Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e]Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p]Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
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CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
COLUMBUS[f]				
1971	445.6	425.6	20.0	4.5
1972	469.1	450.2	18.9	4.0
1973	485.5	468.3	17.1	3.5
1974	495.4	475.5	19.9	4.0
1975	495.0	458.6	36.5	7.4
1976	503.6	468.5	35.1	7.0
1977	513.4	483.3	30.1	5.9
1978	531.4	506.5	24.9	4.7
1979	543.0	517.1	25.8	4.8
1980	554.7	523.3	31.5	5.7
1981	562.5	518.7	43.6	7.8
1981				
September	561.3	511.9	49.4	8.8
October	565.5	519.2	46.3	8.2
November	570.6	520.4	50.2	8.8
December	563.4	514.2	49.2	8.7
1982				
January	554.8	506.0	48.8	8.8
February	547.5	498.2	49.4	9.0
March	553.8	502.5	51.4	9.3
April	559.6	508.8	50.8	9.1
May	564.4	516.4	48.0	8.5
June	582.0	528.1	53.8	9.2
July	581.1	528.3	52.8	9.1
August	580.3	526.7	53.6	9.2
September[p]	566.2	516.5	49.7	8.8
TOLEDO[h]				
1971	319.3	300.3	19.1	6.0
1972	329.4	311.3	18.1	5.5
1973	339.8	324.2	15.6	4.6
1974	343.8	324.2	19.7	5.7
1975	344.8	310.2	34.6	10.0
1976	347.8	319.4	28.4	8.2
1977	355.0	329.4	25.6	7.2
1978	362.1	339.7	22.4	6.2
1979	368.2	341.7	26.4	7.2
1980	367.7	329.7	38.0	10.3
1981	366.9	327.3	39.6	10.8
1981				
September	365.7	324.9	40.8	11.2
October	370.6	329.0	41.6	11.2
November	368.8	326.1	42.6	11.6
December	365.4	319.9	45.5	12.4
1982				
January	361.0	313.4	47.6	13.2
February	355.7	310.0	45.7	12.8
March	360.2	312.1	48.2	13.4
April	362.5	317.5	45.0	12.4
May	365.1	325.3	39.8	10.9
June	374.5	329.8	44.7	11.9
July	374.3	327.1	47.2	12.6
August	371.5	326.2	45.3	12.2
September[p]	365.8	320.9	44.9	12.3

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
DAYTON[g]				
1971	349.5	326.1	23.3	6.7
1972	353.5	336.2	17.3	4.9
1973	358.0	343.5	14.5	4.1
1974	359.5	342.5	17.0	4.7
1975	357.6	327.7	29.9	8.4
1976	360.5	336.3	24.2	6.7
1977	368.6	348.3	20.3	5.5
1978	381.1	363.7	17.3	4.6
1979	392.2	367.9	24.2	6.2
1980	390.2	360.9	29.3	7.5
1981	389.8	357.4	32.4	8.3
1981				
September	388.9	354.8	34.1	8.8
October	389.7	356.4	33.3	8.5
November	393.8	357.1	36.7	9.3
December	391.4	352.2	39.2	10.0
1982				
January	389.5	349.7	39.8	10.2
February	383.4	341.7	41.7	10.9
March	387.5	342.3	45.2	11.7
April	389.7	346.2	43.5	11.2
May	390.3	350.0	40.3	10.3
June	402.2	356.2	46.1	11.5
July	401.3	356.8	44.5	11.1
August	398.9	353.3	45.5	11.4
September[p]	393.9	351.1	42.9	10.9
YOUNGSTOWN-WARREN[i]				
1971	225.1	207.1	18.0	8.0
1972	226.9	212.1	14.8	6.5
1973	232.5	221.8	10.8	4.6
1974	236.7	223.7	13.0	5.5
1975	236.7	209.8	26.9	11.4
1976	234.2	210.5	23.7	10.1
1977	234.0	215.0	19.0	8.1
1978	235.2	217.5	17.7	7.5
1979	237.1	219.9	17.1	7.2
1980	238.4	210.4	28.0	11.7
1981	233.1	205.3	27.7	11.9
1981				
September	231.0	205.2	25.8	11.2
October	230.2	204.9	25.3	11.0
November	235.0	205.6	29.4	12.5
December	232.0	195.0	37.1	16.0
1982				
January	232.6	196.1	36.5	15.7
February	232.8	187.2	45.6	19.6
March	231.2	190.0	41.1	17.8
April	236.5	190.4	46.2	19.5
May	236.5	195.8	40.7	17.2
June	244.2	199.7	44.6	18.2
July	243.4	199.0	44.4	18.2
August	245.9	194.3	51.6	21.0
September[p]	240.0	195.1	45.0	18.7

[a]Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census. [f]Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Defined as Greene, Miami, Montgomery, and Preble Counties. [h]Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i]Defined as Mahoning and Trumbull Counties. [p]Preliminary.

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CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1971	4,416	4,130	286	6.5	5.9
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,086	4,660	426	8.4	7.1
1981	5,085	4,595	490	9.6	7.6
1981					
October .	5,084	4,580	504	9.9	7.5
November.	5,121	4,560	561	10.9	7.9
December.	5,073	4,473	600	11.8	8.3
1982					
January .	5,032	4,434	598	11.9	9.4
February.	4,967	4,361	606	12.2	9.6
March ...	5,014	4,398	616	12.3	9.5
April ...	5,050	4,444	606	12.0	9.2
May	5,092	4,526	566	11.1	9.1
June	5,251	4,607	644	12.3	9.8
July	5,261	4,617	644	12.2	9.8
August ..	5,235	4,578	657	12.5	9.6
September	5,122	4,493	629	12.3	9.7
October .	5,163	4,482	681	13.2	9.9

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.5	3,102.8
1981	4,323.1	1,232.5	3,090.5
1981			
October .	4,363.4	1,232.0	3,131.4
November.	4,342.7	1,211.9	3,130.8
December.	4,301.4	1,173.8	3,127.6
1982			
January .	4,190.3	1,167.1	3,023.2
February.	4,171.8	1,148.9	3,022.8
March ...	4,192.5	1,147.4	3,045.1
April ...	4,216.6	1,132.2	3,084.4
May	4,244.4	1,129.5	3,114.9
June	4,256.2	1,133.5	3,122.7
July	4,194.7	1,118.8	3,075.9
August ..	4,179.0	1,106.4	3,072.6
September	4,217.3	1,114.0	3,103.3
October .	4,209.1	1,090.5	3,118.6

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1971	20.8	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.4	726.6	203.8	830.9	689.9
1981	30.3	154.2	218.4	230.7	715.3	205.2	856.2	680.2
1981								
October .	31.8	166.2	221.2	231.4	721.6	206.0	870.0	683.2
November.	32.4	161.3	220.5	231.1	728.1	205.6	864.9	686.9
December.	32.2	149.0	220.1	231.2	740.2	206.3	860.2	688.6
1982								
January .	31.8	126.5	213.4	228.4	692.5	204.5	849.7	676.4
February.	31.7	122.7	212.1	227.7	681.4	204.2	858.2	684.8
March ...	31.8	128.4	211.9	228.8	687.3	204.6	866.5	685.9
April ...	32.4	138.7	214.0	229.4	700.0	205.1	882.1	682.7
May	32.9	145.6	215.1	229.6	708.5	205.8	890.1	687.3
June	33.1	149.0	216.2	230.9	710.8	207.7	900.1	674.7
July	32.8	152.4	215.0	230.5	707.4	208.6	896.1	633.2
August ..	31.9	154.0	214.4	230.2	709.1	208.1	897.8	627.1
September	32.7	153.7	213.6	229.9	711.6	206.9	904.1	650.8
October .	32.2	153.5	212.9	230.2	706.9	206.1	901.3	675.5

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

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EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1971	1,333.8	936.1	397.7	958.1	$160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.3	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.5	882.6	382.0	867.8	301.9	35.2
1981	1,232.5	858.9	373.6	847.6	330.4	34.7
1981						
October .	1,232.0	858.2	373.8	848.8	334.0	34.3
November.	1,211.9	841.1	370.8	830.6	331.0	33.8
December.	1,173.8	807.0	366.8	794.3	316.3	32.4
1982						
January .	1,167.1	804.8	362.3	789.1	305.8	31.0
February.	1,148.9	789.3	359.7	773.7	306.2	31.0
March ...	1,147.4	789.7	357.7	773.5	306.2	30.9
April ...	1,132.2	776.2	356.1	759.7	302.2	30.3
May	1,129.5	773.4	356.1	757.5	305.7	30.5
June	1,133.5	777.0	356.5	762.1	315.4	31.0
July	1,118.8	765.2	353.6	748.2	305.1	30.0
August ..	1,106.4	750.5	355.8	737.0	298.0	29.5
September	1,114.0	755.8	358.2	745.2	306.0	30.0
October .	1,090.5	739.2	351.3	725.5	293.5	28.9

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1971	$167.68	$171.36	$158.77	40.7	40.8	40.4	$4.12	$4.20	$3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1981									
October .	393.50	405.21	364.41	40.4	40.4	40.4	9.74	10.03	9.02
November.	398.45	410.26	367.43	40.7	40.7	40.6	9.79	10.08	9.05
December.	398.21	409.22	372.91	40.8	40.8	40.8	9.76	10.03	9.14
1982									
January .	387.50	395.69	366.83	39.3	39.1	39.7	9.86	10.12	9.24
February.	395.79	405.60	373.30	40.1	40.0	40.4	9.87	10.14	9.24
March ...	395.81	406.36	370.93	39.9	39.8	40.1	9.92	10.21	9.25
April ...	397.80	407.55	374.00	39.9	39.8	40.0	9.97	10.24	9.35
May	403.61	414.63	377.21	40.2	40.1	40.3	10.04	10.34	9.36
June	413.92	426.54	381.92	40.7	40.7	40.5	10.17	10.48	9.43
July	407.82	419.60	379.22	40.1	40.0	40.3	10.17	10.49	9.41
August ..	404.40	415.51	379.89	40.0	39.8	40.5	10.11	10.44	9.38
September	410.66	421.60	385.28	40.3	40.0	40.9	10.19	10.54	9.42
October .	404.59	416.31	379.09	39.9	39.8	40.2	10.14	10.46	9.43

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

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Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.9	67.4	92.7
1981	61.2	137.9	154.6	203.5	102.0	136.5	70.5	66.3	89.0
1981									
October .	60.9	137.3	155.0	202.3	102.0	136.6	71.2	66.7	88.7
November.	60.4	134.3	152.9	198.8	100.1	132.4	69.9	66.2	87.5
December.	58.2	125.0	148.3	196.6	97.8	119.5	70.0	66.0	84.8
1982									
January .	55.4	126.0	143.3	193.2	97.9	129.8	68.3	65.6	84.0
February.	55.3	123.5	141.1	191.0	97.4	121.3	68.2	65.8	82.1
March ...	54.5	122.6	140.3	189.0	96.9	126.9	68.0	65.2	81.6
April ...	54.0	117.8	139.5	185.9	95.9	123.3	67.5	64.8	81.2
May	54.2	115.3	138.6	183.3	95.4	126.6	67.6	64.2	81.6
June	54.9	116.4	138.4	181.2	96.0	129.2	68.7	63.6	81.5
July	55.0	114.2	135.3	177.3	95.3	127.9	68.6	62.7	80.3
August ..	54.2	113.0	133.4	175.1	93.7	120.4	71.2	62.4	79.9
September	54.6	111.8	134.5	174.0	93.1	126.7	72.4	62.4	80.1
October .	54.1	107.3	131.9	168.8	91.9	125.0	69.1	62.3	77.7
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1971	$162.96	$177.36	$173.40	$169.33	$159.20	$198.55	$163.49	$173.82	$162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1981									
October .	356.65	475.61	392.18	394.54	356.49	485.81	368.33	356.45	377.51
November.	361.97	488.03	391.78	402.26	357.86	481.31	378.84	363.65	376.58
December.	359.31	476.80	398.05	403.38	361.34	480.24	379.61	368.16	386.75
1982									
January .	354.09	465.17	369.95	385.66	353.70	464.07	367.54	360.43	369.03
February.	361.00	479.97	387.89	391.55	365.82	476.49	376.28	365.00	382.94
March ...	371.18	466.29	393.03	390.98	361.43	485.44	377.29	357.00	376.25
April ...	368.15	473.14	397.79	387.68	364.05	493.07	380.42	352.08	376.14
May	372.20	473.07	400.57	387.29	366.96	522.22	385.40	358.45	380.55
June	379.86	495.67	408.18	401.79	366.16	541.37	390.45	354.52	395.37
July	380.14	488.71	405.73	390.04	358.75	528.24	385.02	351.50	385.70
August ..	380.83	496.98	399.35	391.24	365.98	502.18	389.06	351.22	385.15
September	393.65	492.35	401.32	394.18	364.94	528.58	400.26	357.27	380.57
October .	392.22	482.50	400.18	397.77	370.67	498.90	388.10	355.86	370.80

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
OCTOBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1982[b]	September 1982[c]	October 1981[c]	September 1982	October 1981
TOTAL	4209.1	4217.3	4363.4	- .2	- 3.5
MANUFACTURING	1090.5	1114.0	1232.0	- 2.1	- 11.5
Durable Goods[e]	739.2	755.8	858.2	- 2.2	- 13.9
Lumber and wood products	13.1	13.1	13.6	- .6	- 4.2
Furniture and fixtures	13.5	13.6	15.0	- .6	- 9.8
Household furniture	6.3	6.2	7.0	.9	- 10.5
Stone, clay, and glass products	54.1	54.6	60.9	- .9	- 11.2
Glass and glassware, pressed or blown	13.6	13.7	14.9	- .6	- 8.3
Structural clay products	4.6	4.6	5.9	- .7	- 21.8
Pottery and related products	6.1	6.1	7.0	.5	- 12.4
Primary metal industries	107.3	111.8	137.3	- 4.0	- 21.8
Blast furnace and basic steel products	55.7	55.5	71.8	.3	- 22.4
Iron and steel foundries	20.5	23.6	28.7	- 13.1	- 28.5
Nonferrous rolling and drawing	17.4	17.9	19.5	- 2.9	- 10.7
Nonferrous foundries	7.8	8.5	9.7	- 7.6	- 19.0
Fabricated metal products	131.9	134.5	155.0	- 2.0	- 14.9
Cutlery, hand tools, and hardware	9.8	10.2	12.7	- 3.8	- 22.9
Plumbing and heating, except electric	4.6	4.4	5.2	3.1	- 13.1
Fabricated structural metal products	32.6	33.2	36.1	- 1.6	- 9.7
Screw machine products, bolts, etc.	9.0	9.1	10.8	- 1.8	- 16.6
Metal forgings and stampings	35.8	37.4	45.0	- 4.4	- 20.4
Machinery, except electrical	168.8	174.0	202.3	- 3.0	- 16.5
Construction and related machinery	19.4	21.0	25.9	- 7.6	- 25.3
Metalworking machinery	45.5	46.4	54.6	- 2.0	- 16.8
Special industry machinery	18.7	19.2	20.9	- 2.7	- 10.7
General industrial machinery	31.8	32.5	38.9	- 2.0	- 18.3
Electric and electronic equipment	91.9	93.1	102.0	- 1.3	- 9.9
Electrical industrial apparatus	19.1	19.8	23.3	- 3.2	- 17.8
Household appliances	15.2	15.6	17.6	- 2.6	- 13.7
Electric lighting and wiring equipment	18.4	18.4	19.9	- .2	- 7.7
Communication equipment	12.1	12.1	12.0	- .2	.6
Transportation equipment	125.0	126.7	136.6	- 1.3	- 8.5
Motor vehicles and equipment	78.6	80.4	90.9	- 2.2	- 13.5
Aircraft and parts	37.9	37.9	36.4	- .1	4.1
Instruments and related products	19.8	20.4	21.7	- 2.7	- 8.6
Measuring and controlling devices	11.7	11.9	13.2	- 1.7	- 11.7
Nondurable Goods[f]	351.3	358.2	373.8	- 1.9	- 6.0
Food and kindred products	69.1	72.4	71.2	- 4.5	- 2.9
Meat products	10.9	11.1	11.5	- 1.3	- 4.8
Dairy products	11.0	11.1	11.6	- 1.0	- 5.6
Bakery products	11.2	11.5	11.5	- 2.3	- 2.7
Beverages	10.7	10.8	11.0	- 1.0	- 2.9
Textile mill products	4.2	4.4	4.7	- 3.3	- 9.2
Apparel and other textile products	17.2	17.2	17.7	.0	- 2.8
Paper and allied products	35.1	35.3	37.4	- .5	- 6.3
Paper mills, except building paper	8.9	8.8	9.3	.2	- 5.0
Misc. converted paper products	11.1	11.2	11.8	- 1.0	- 6.4
Paperboard containers and boxes	12.0	11.9	12.7	.5	- 5.3
Printing and publishing	62.3	62.4	66.7	- .2	- 6.6
Newspapers	16.3	18.3	19.6	.3	- 6.5
Commercial printing	22.7	22.9	25.7	- .6	- 11.5
Chemicals and allied products	66.6	67.2	67.8	- .8	- 1.7
Industrial inorganic chemicals	12.7	12.9	12.7	- 1.5	- .5
Plastics materials and synthetics	9.2	9.2	9.8	.4	- 5.3
Petroleum and coal products	13.5	13.7	14.1	- 1.4	- 3.8
Rubber and misc. plastics products	77.7	80.1	88.7	- 3.0	- 12.4
Tires and inner tubes	21.4	21.5	24.3	- .4	- 11.8
Miscellaneous plastics products	37.8	39.4	43.8	- 4.1	- 13.8
Leather and leather products	5.3	5.3	5.3	.0	.8

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
OCTOBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1982[b]	September 1982[c]	October 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$404.59	$410.66	$393.50	39.9	40.3	40.4	$10.14	$10.19	$ 9.74
Durable Goods[d]	416.31	421.60	405.21	39.8	40.0	40.4	10.46	10.54	10.03
Lumber and wood products	284.47	281.91	262.40	39.4	39.1	39.4	7.22	7.21	6.66
Furniture and fixtures	310.04	307.28	280.28	39.8	39.7	38.5	7.79	7.74	7.28
Household furniture	270.13	263.34	240.78	38.7	38.5	37.1	6.98	6.84	6.49
Stone, clay, and glass products	392.22	393.65	356.65	41.2	41.7	40.9	9.52	9.44	8.72
Glass and glassware, pressed or blown	403.06	395.79	370.05	39.4	40.1	39.2	10.23	9.87	9.44
Structural clay products	299.82	282.91	285.80	41.7	40.3	41.3	7.19	7.02	6.92
Pottery and related products	314.16	297.85	267.75	38.5	37.0	37.5	8.16	8.05	7.14
Primary metal industries	482.50	492.35	475.61	38.6	39.2	39.9	12.50	12.56	11.92
Blast furnace and basic steel products	512.86	517.62	511.53	37.6	37.7	39.5	13.64	13.73	12.95
Iron and steel foundries	453.52	490.64	446.89	39.3	41.3	40.7	11.54	11.88	10.98
Nonferrous rolling and drawing	478.74	477.41	450.30	39.5	39.1	38.0	12.12	12.21	11.85
Nonferrous foundries	360.19	353.82	342.35	40.2	39.8	41.0	8.96	8.89	8.35
Fabricated metal products	400.18	401.32	392.18	39.7	39.5	40.1	10.08	10.16	9.78
Cutlery, hand tools, and hardware	393.18	395.14	402.38	39.2	38.4	39.8	10.03	10.29	10.11
Plumbing and heating, except electric	335.70	337.31	336.73	37.3	37.9	39.2	9.00	8.90	8.59
Fabricated structural metal products	390.72	389.70	350.56	40.7	40.3	39.3	9.60	9.67	8.92
Screw machine products, bolts, etc.	343.17	332.11	346.32	38.3	37.4	39.0	8.96	8.88	8.88
Metal forgings and stampings	453.89	462.08	463.05	39.4	39.8	40.3	11.52	11.61	11.49
Machinery, except electrical	397.77	394.18	394.54	39.5	39.3	40.8	10.07	10.03	9.67
Construction and related machinery	405.90	404.79	404.56	39.6	39.3	40.7	10.25	10.30	9.94
Metalworking machinery	371.25	374.83	392.35	37.5	37.9	40.7	9.90	9.89	9.64
Special industry machinery	389.91	366.66	372.80	40.7	38.8	41.7	9.58	9.45	8.94
General industrial machinery	385.84	389.08	398.05	38.7	39.5	40.7	9.97	9.85	9.78
Electric and electronic equipment	370.67	364.94	356.49	39.1	38.7	40.1	9.48	9.43	8.89
Electrical industrial apparatus	344.79	337.26	370.71	37.6	36.5	41.7	9.17	9.24	8.89
Household appliances	372.10	360.61	350.75	38.4	37.8	38.8	9.69	9.54	9.04
Electric lighting and wiring equipment	369.41	373.35	332.07	41.0	41.3	40.3	9.01	9.04	8.24
Communication equipment	406.15	407.36	393.82	38.1	38.0	38.8	10.66	10.72	10.15
Transportation equipment	498.90	528.58	485.81	41.3	42.8	41.7	12.08	12.35	11.65
Motor vehicles and equipment	515.02	557.64	510.30	41.4	43.6	42.0	12.44	12.79	12.15
Aircraft and parts	476.74	462.43	422.01	41.6	40.6	40.5	11.46	11.39	10.42
Instruments and related products	285.09	285.98	272.35	39.0	39.5	39.3	7.31	7.24	6.93
Measuring and controlling devices	279.90	281.35	273.92	38.5	38.7	39.3	7.27	7.27	6.97
Nondurable Goods[e]	379.09	385.28	364.41	40.2	40.9	40.4	9.43	9.42	9.02
Food and kindred products	388.10	400.26	368.33	41.2	42.9	41.2	9.42	9.33	8.94
Meat products	405.82	411.88	404.38	40.3	40.7	40.6	10.07	10.12	9.96
Dairy products	391.35	405.79	348.99	43.1	44.3	42.2	9.08	9.16	8.27
Bakery products	377.67	381.60	368.33	39.3	39.3	41.2	9.61	9.71	8.94
Beverages	337.81	326.00	354.89	38.3	37.3	40.1	8.82	8.74	8.85
Textile mill products	268.13	265.67	260.56	39.2	39.3	39.3	6.84	6.76	6.63
Apparel and other textile products	223.72	219.21	210.18	37.6	37.6	37.2	5.95	5.83	5.65
Paper and allied products	403.25	403.88	367.95	43.5	43.9	42.1	9.27	9.20	8.74
Paper mills, except building paper	504.00	509.71	471.42	48.0	49.2	46.4	10.50	10.36	10.16
Misc. converted paper products	352.56	354.46	328.80	40.9	41.8	41.1	8.62	8.48	8.00
Paperboard containers and boxes	361.54	362.75	321.97	41.7	41.6	39.7	8.67	8.72	8.11
Printing and publishing	355.86	357.27	356.45	36.8	37.1	37.8	9.67	9.63	9.43
Newspapers	318.58	314.63	325.04	30.9	31.4	33.1	10.31	10.02	9.82
Commercial printing	360.79	372.48	380.82	37.7	38.8	39.3	9.57	9.60	9.69
Chemicals and allied products	419.80	424.15	396.47	40.6	41.1	41.0	10.34	10.32	9.67
Industrial inorganic chemicals	457.26	439.43	439.30	40.9	40.5	41.6	11.18	10.85	10.56
Plastics materials and synthetics	452.34	483.96	425.00	42.0	44.4	42.8	10.77	10.90	9.93
Petroleum and coal products	593.61	613.81	549.76	44.2	45.4	44.3	13.43	13.52	12.41
Rubber and misc. plastics products	370.80	380.57	377.51	39.7	40.4	40.9	9.34	9.42	9.23
Tires and inner tubes	507.07	502.11	506.88	41.7	41.6	42.1	12.16	12.07	12.04
Miscellaneous plastics products	342.14	365.48	360.00	38.4	39.9	40.0	8.91	9.16	9.00
Leather and leather products	210.79	203.52	188.50	39.4	38.4	37.4	5.35	5.30	5.04

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
OCTOBER 1982 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1982[b]	September 1982[c]	October 1981[c]	September 1982	October 1981
NONMANUFACTURING	3118.6	3103.3	3131.4	.5	- .4
MINING	32.2	32.7	31.8	- 1.5	1.4
Bituminous coal and lignite mining	13.5	13.8	13.7	- 2.2	- 1.8
CONSTRUCTION	153.5	153.7	166.2	- .1	- 7.6
General building contractors	35.8	36.0	39.4	- .5	- 9.3
Heavy construction contractors	25.0	25.5	28.4	- 2.1	- 12.0
TRANSPORTATION AND PUBLIC UTILITIES	212.9	213.6	221.2	- .3	- 3.8
Railroad transportation	23.2	23.3	26.6	- .5	- 13.0
Transportation, except railroads	95.2	95.3	98.1	- .2	- 3.0
Trucking and warehousing	70.5	70.7	73.8	- .3	- 4.5
Communication, electric, gas services	94.5	94.9	96.4	- .5	- 2.0
Communication	53.2	53.4	55.5	- .2	- 4.0
Electric, gas, and sanitary services	41.3	41.6	41.0	- .7	.7
WHOLESALE TRADE	230.2	229.9	231.4	.2	- .5
Wholesale trade-durable goods	148.0	147.8	149.6	.1	- 1.1
Motor vehicles & automotive equipment	20.5	20.7	20.9	- .9	- 1.9
Electrical goods	19.4	19.3	19.4	.4	- .4
Machinery, equipment, and supplies	62.1	62.0	62.5	.1	- .6
Wholesale trade-nondurable goods	82.2	82.1	81.9	.2	.5
Groceries and related products	24.5	24.5	24.0	.1	2.1
RETAIL TRADE	706.9	711.6	721.6	- .7	- 2.0
General merchandise stores	113.5	111.0	120.6	2.3	- 5.9
Department stores	103.7	101.3	110.2	2.5	- 5.8
Food stores	117.0	117.6	117.8	- .4	- .7
Automotive dealers & service stations	69.5	70.2	72.9	- 1.0	- 4.6
Apparel and accessory stores	35.1	34.8	35.7	.9	- 1.7
FINANCE, INSURANCE, AND REAL ESTATE	206.1	206.9	206.0	- .4	.0
Banking	58.4	58.8	59.1	- .7	- 1.3
Credit agencies other than banks	30.6	30.7	30.4	- .6	.5
Insurance carriers	58.7	58.7	58.8	.0	- .1
SERVICES	901.3	904.1	870.0	- .3	3.6
Hotels and other lodging places	32.4	33.3	31.5	- 2.7	2.9
Laundry, cleaning, & garment services	17.3	17.4	17.8	- .4	- 2.4
Business services	134.3	133.5	130.1	.6	3.2
Health services	318.4	318.0	301.8	.1	5.5
Hospitals	175.2	175.1	167.4	.1	4.7
GOVERNMENT	675.5	650.8	683.2	3.8	- 1.1
Federal government	88.8	89.4	89.4	- .7	- .6
State government	146.7	131.3	146.3	11.7	.2
State government, except education	70.9	71.1	71.5	- .3	- .8
State government education[i]	75.8	60.2	74.9	25.9	1.3
Local government	439.9	430.0	447.5	2.3	- 1.7
Local government, except education	184.4	188.4	185.6	- 2.1	- .7
Local government education	255.5	241.6	261.9	5.7	- 2.4

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures. [h]Depressed due to labor-management disputes. [i]Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
OCTOBER 1982 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1982[b]	September 1982[c]	October 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
MINING	$453.65	$445.63	$441.23	43.0	42.2	44.3	$10.55	$10.56	$ 9.96
Bituminous coal and lignite mining	546.49	526.25	526.92	42.2	40.7	42.7	12.95	12.93	12.34
CONSTRUCTION	574.50	546.85	537.46	38.3	36.8	38.5	15.00	14.86	13.96
General building contractors	516.38	496.40	485.65	37.5	36.5	37.3	13.77	13.60	13.02
Heavy construction contractors	578.95	561.54	547.02	39.6	38.2	40.4	14.62	14.70	13.54
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Railroad transportation	.....	.....	.....	....	....	....	....	....	....
Transportation, except railroads	.....	.....	.....	....	....	....	....	....	....
Trucking and warehousing	445.18	457.06	440.67	35.7	36.8	37.0	12.47	12.42	11.91
Communication, electric, gas services	437.49	439.67	412.90	40.1	40.3	40.6	10.91	10.91	10.17
Communication	429.76	431.94	407.60	39.5	39.7	40.0	10.88	10.88	10.19
Electric, gas, and sanitary services	448.95	448.54	419.80	41.0	41.0	41.4	10.95	10.94	10.14
WHOLESALE TRADE	316.65	315.83	301.86	38.9	38.8	38.9	8.14	8.14	7.76
Wholesale trade-dureble goods	308.07	306.52	297.92	38.8	38.8	39.2	7.94	7.90	7.60
Motor vehicles & automotive equipment	257.94	260.91	275.48	37.6	38.2	38.8	6.86	6.83	7.10
Electrical goods	259.33	257.89	252.08	37.1	37.0	37.4	6.99	6.97	6.74
Machinery, equipment, and supplies	337.74	333.37	310.05	39.0	38.9	39.0	8.66	8.57	7.95
Wholesale trade-nondurable goods	331.04	332.05	310.31	38.9	38.7	38.5	8.51	8.58	8.06
Groceries and related products	358.43	366.13	336.84	40.5	41.0	40.1	8.85	8.93	8.40
RETAIL TRADE[f]	153.99	155.58	151.84	29.0	29.3	29.2	5.31	5.31	5.20
General merchandise stores	153.17	158.77	150.88	29.8	30.3	29.7	5.14	5.24	5.08
Department stores	155.48	161.42	152.87	29.9	30.4	29.8	5.20	5.31	5.13
Food stores	223.52	229.01	234.18	31.0	31.5	32.3	7.21	7.27	7.25
Automotive dealers & service stations	197.84	200.20	197.00	36.3	36.6	37.1	5.45	5.47	5.31
Apparel and accessory stores	111.18	115.08	111.92	25.5	27.4	27.1	4.36	4.20	4.13
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	205.24	204.52	187.43	....	....	....	....	....	....
Credit agencies other than banks	204.91	203.67	195.56	....	....	....	....	....	....
Insurance carriers	277.20	275.86	257.61	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
Hotels and other lodging places	.....	.....	.....	....	....	....	....	....	....
Laundry, cleaning, & garment services	.....	.....	.....	....	....	....	....	....	....
Business services	.....	.....	.....	....	....	....	....	....	....
Health services	.....	.....	.....	....	....	....	....	....	....
Hospitals	267.44	271.35	242.15	34.2	34.7	33.4	7.82	7.82	7.25
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government	.....	.....	.....	....	....	....	....	....	....
State government, except education	.....	.....	.....	....	....	....	....	....	....
State government education	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes miscellaneous manufacturing. [e]Includes tobacco manufactures. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
OCTOBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1982[b]	September 1982[c]	October 1981[c]	September 1982	October 1981
TOTAL	255.2	255.7	263.2	- .2	- 3.0
MANUFACTURING	69.0	69.6	76.1	- .9	- 9.4
Durable Goods[e]	34.2	34.8	38.1	- 1.9	- 10.3
Stone, clay, and glass products	1.5	1.6	1.8	- 3.3	- 16.1
Fabricated metal products	13.1	13.3	14.5	- 1.3	- 9.7
Machinery, except electrical	9.0	9.3	10.9	- 3.5	- 17.7
Special industry machinery	1.4	1.6	2.1	- 16.4	- 33.8
Nondurable Goods[f]	34.8	34.7	38.0	.2	- 8.4
Food and kindred products	2.8	2.8	2.9	- .5	- 2.3
Chemicals and allied products	3.6	3.6	3.9	- .7	- 7.2
Rubber and misc. plastics products	23.3	23.4	26.1	- .1	- 10.4
Tires and inner tubes	17.4	17.4	20.0	- .3	- 13.1
NONMANUFACTURING[g]	186.2	186.1	187.1	.1	- .4
CONSTRUCTION	8.0	7.9	8.6	1.2	- 6.7
TRANSPORTATION AND PUBLIC UTILITIES	13.4	13.5	14.1	- .6	- 4.5
Communication, electric, gas services	5.4	5.5	5.5	- .3	- 1.0
WHOLESALE TRADE	12.5	12.4	12.1	.5	2.9
RETAIL TRADE	45.7	46.1	45.9	- .9	- .3
FINANCE, INSURANCE, AND REAL ESTATE	9.2	9.2	9.1	- .3	.2
SERVICES	53.4	54.0	52.6	- 1.1	1.6
GOVERNMENT	43.4	42.3	44.1	2.7	- 1.4
State government (includes education)	14.9	13.8	14.5	8.1	2.8
Local government (includes education)	26.5	26.4	27.4	.2	- 3.6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
OCTOBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1982[b]	September 1982[c]	October 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$407.95	$406.31	$397.99	41.0	41.0	41.2	$ 9.95	$ 9.91	$ 9.66
Durable Goods[d]	410.11	403.10	383.35	41.3	40.8	41.0	9.93	9.88	9.35
Stone, clay, and glass products	407.89	403.00	363.19	42.4	42.6	40.9	9.62	9.46	8.88
Fabricated metal products	404.80	404.94	364.62	40.0	39.7	38.3	10.12	10.20	9.52
Machinery, except electrical	410.12	397.94	401.94	42.9	41.8	43.5	9.56	9.52	9.24
Special industry machinery	366.28	361.94	359.10	39.9	39.6	42.0	9.18	9.14	8.55
Nondurable Goods[e]	404.78	409.94	414.00	40.6	41.2	41.4	9.97	9.95	10.00
Food and kindred products	420.97	443.02	393.75	44.5	46.1	45.0	9.46	9.61	8.75
Chemicals and allied products	437.37	441.60	401.70	41.3	41.7	41.8	10.59	10.59	9.61
Rubber and misc. plastics products	412.90	418.32	431.80	40.8	41.5	41.4	10.12	10.08	10.43
Tires and inner tubes	524.17	517.09	530.02	41.9	41.4	42.3	12.51	12.49	12.53
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	576.84	511.83	550.34	37.9	34.7	40.2	15.22	14.75	13.69
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	441.20	440.10	416.36	40.0	39.9	40.7	11.03	11.03	10.23
WHOLESALE TRADE	281.09	285.64	278.78	38.4	38.6	38.4	7.32	7.40	7.26
RETAIL TRADE[f]	172.54	176.07	174.23	29.8	30.2	30.3	5.79	5.83	5.75
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
OCTOBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1982[b]	September 1982[c]	October 1981[c]	September 1982	October 1981
TOTAL	152.4	153.3	158.9	- .6	- 4.1
MANUFACTURING	48.8	49.8	56.0	- 2.1	- 13.0
Durable Goods[e]	37.0	38.0	43.8	- 2.7	- 15.6
Stone, clay, and glass products	2.1	2.1	2.2	- 1.5	- 4.1
Primary metal industries	11.5	11.6	14.4	- 1.4	- 20.4
Fabricated metal products	9.0	9.1	10.0	- .7	- 9.9
Fabricated structural metal products	3.2	3.4	3.4	- 4.7	- 4.5
Metal forgings and stampings	2.4	2.3	3.0	1.9	- 20.8
Nondurable Goods[f]	11.8	11.8	12.2	- .4	- 3.8
Food and kindred products	4.1	4.1	4.3	.1	- 4.6
Rubber and misc. plastics products	3.1	3.0	3.2	3.5	- 3.7
NONMANUFACTURING[g]	103.6	103.5	102.8	.1	.8
CONSTRUCTION	5.4	5.4	5.7	.1	- 4.6
TRANSPORTATION AND PUBLIC UTILITIES	7.0	6.9	7.2	.3	- 2.9
Communication, electric, gas services	3.0	3.0	3.0	.9	- 2.1
WHOLESALE TRADE	7.3	7.4	7.3	- .5	.5
RETAIL TRADE	26.1	26.4	25.9	- 1.2	.6
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.6	6.3	- 1.5	3.4
SERVICES	31.1	31.2	30.3	- .2	2.9
GOVERNMENT	18.7	18.1	18.8	3.4	- .3
Local government (includes education)	15.7	15.1	15.6	3.8	.5

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
OCTOBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1982[b]	September 1982[c]	October 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$409.77	$407.93	$396.21	39.1	39.3	39.7	$10.48	$10.38	$ 9.98
Durable Goods[d]	417.27	409.26	403.92	38.6	38.5	39.6	10.81	10.63	10.20
Stone, clay, and glass products	265.73	264.37	281.78	39.9	39.4	42.5	6.66	6.71	6.63
Primary metal industries	469.00	462.64	448.25	36.3	36.4	37.7	12.92	12.71	11.89
Fabricated metal products	447.73	449.36	405.21	40.3	41.0	39.0	11.11	10.96	10.39
Fabricated structural metal products	477.63	484.73	400.46	43.5	45.6	41.2	10.98	10.63	9.72
Metal forgings and stampings	501.26	491.79	458.95	39.1	39.0	38.6	12.82	12.61	11.89
Nondurable Goods[e]	381.77	403.97	366.33	40.7	42.3	40.3	9.38	9.55	9.09
Food and kindred products	413.41	419.83	415.01	38.6	39.2	39.6	10.71	10.71	10.48
Rubber and misc. plastics products	395.35	403.84	378.45	45.6	46.1	45.0	8.67	8.76	8.41
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	548.63	532.90	513.92	37.5	36.6	37.9	14.63	14.56	13.56
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	455.74	453.69	427.24	40.8	40.4	41.2	11.17	11.23	10.37
WHOLESALE TRADE	287.18	288.60	283.71	37.2	37.0	38.6	7.72	7.80	7.35
RETAIL TRADE[f]	150.75	150.53	144.71	29.5	29.4	29.0	5.11	5.12	4.99
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
OCTOBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1982[b]	September 1982[c]	October 1981[c]	September 1982	October 1981
TOTAL	588.3	588.9	597.9	- .1	- 1.6
MANUFACTURING	150.6	151.1	158.4	- .3	- 4.9
Durable-Goods[e]	83.0	83.1	88.0	- .1	- 5.6
Furniture and fixtures	2.2	2.2	2.5	- 2.3	- 13.3
Primary metal industries	1.9	2.1	2.5	- 10.8	- 25.3
Fabricated metal products	12.6	12.8	14.1	- 1.4	- 10.7
Fabricated structural metal products	4.1	4.3	4.6	- 2.8	- 10.5
Machinery, except electrical	22.6	22.9	25.3	- 1.2	- 10.5
Metalworking machinery	11.6	11.8	13.4	- .9	- 13.3
General industrial machinery	3.1	3.2	3.8	- 3.3	- 16.9
Electric and electronic equipment	8.0	8.0	8.8	- .3	- 8.6
Transportation equipment	24.2	23.4	23.7	3.1	1.9
Motor vehicles and equipment	9.2	8.5	8.0	8.5	15.1
Nondurable Goods[f]	67.6	68.0	70.5	- .5	- 4.1
Food and kindred products	16.0	16.1	17.1	- .6	- 6.5
Meat products	2.1	2.1	2.4	- .5	- 13.9
Bakery products	2.5	2.6	2.5	- 4.6	- 1.8
Beverages	4.9	4.7	5.2	3.3	- 7.0
Apparel and other textile products	4.2	4.1	4.1	2.6	3.4
Paper and allied products	5.9	6.1	6.4	- 3.2	- 8.2
Printing and publishing	11.3	11.4	11.9	- .6	- 5.2
Chemicals and allied products	22.3	22.4	22.3	- .5	- .3
Rubber and misc. plastics products	3.9	3.9	4.4	- .1	- 10.9
NONMANUFACTURING[g]	437.7	437.8	439.4	.0	- .4
CONSTRUCTION	22.2	22.2	23.5	.0	- 5.3
TRANSPORTATION AND PUBLIC UTILITIES	32.5	32.7	33.5	- .4	- 3.0
Communication, electric, gas services	14.1	14.3	14.3	- 1.3	- 1.5
WHOLESALE TRADE	37.4	37.4	38.0	.1	- 1.4
RETAIL TRADE	100.5	100.8	102.4	- .3	- 1.8
FINANCE, INSURANCE, AND REAL ESTATE	32.2	32.3	32.6	- .2	- 1.1
Banking	7.3	7.3	7.4	- .3	- 1.5
Insurance carriers	11.2	11.2	11.3	- .2	- 1.1
SERVICES	130.4	132.0	125.9	- 1.2	3.6
GOVERNMENT	81.9	79.9	83.3	2.6	- 1.6
Federal government	12.7	12.7	12.8	- .1	- .5
State government (includes education)	18.5	17.3	18.0	7.3	2.8
Local government	50.7	49.9	52.5	1.7	- 3.4
Local government, except education	22.1	22.5	22.1	- 2.1	- .3
Local government education	28.7	27.4	30.4	4.7	- 5.7

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
OCTOBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1982[b]	September 1982[c]	October 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$384.40	$391.23	$365.89	40.0	40.5	40.7	$ 9.61	$ 9.66	$ 8.99
Durable Goods[d]	369.81	381.50	358.16	39.3	40.2	40.7	9.41	9.49	8.80
Furniture and fixtures	280.12	267.55	245.20	37.6	36.6	35.9	7.45	7.31	6.83
Primary metal industries	318.30	332.86	359.63	33.4	35.6	37.5	9.53	9.35	9.59
Fabricated metal products	371.77	362.15	352.10	41.4	40.6	40.8	8.98	8.92	8.63
Fabricated structural metal products	345.28	331.97	333.06	41.7	39.9	42.7	8.28	8.32	7.80
Machinery, except electrical	335.43	332.83	350.10	38.6	38.3	40.9	8.69	8.69	8.56
Metalworking machinery	357.92	354.68	382.54	37.4	37.1	41.4	9.57	9.56	9.24
General industrial machinery	320.64	321.79	344.66	38.4	38.4	40.5	8.35	8.38	8.51
Electric and electronic equipment	286.31	288.12	277.70	39.6	39.2	39.9	7.23	7.35	6.96
Transportation equipment	502.34	560.72	475.80	39.9	43.0	41.7	12.59	13.04	11.41
Motor vehicles and equipment	527.66	647.36	537.21	38.6	44.8	42.3	13.67	14.45	12.70
Nondurable Goods[e]	400.66	401.47	374.44	40.8	40.8	40.7	9.82	9.84	9.20
Food and kindred products	448.78	455.94	418.40	41.4	41.6	41.1	10.84	10.96	10.18
Meat products	428.08	426.22	456.84	41.4	41.3	42.3	10.34	10.32	10.80
Bakery products	387.84	381.18	402.19	40.4	39.5	44.1	9.60	9.65	9.12
Beverages	446.32	444.57	356.32	43.8	43.5	38.9	10.19	10.22	9.16
Apparel and other textile products	226.64	228.66	205.36	40.4	40.4	38.1	5.61	5.66	5.39
Paper and allied products	349.43	354.45	321.40	41.5	41.7	41.1	8.42	8.50	7.82
Printing and publishing	381.40	385.84	373.05	37.8	38.7	38.9	10.09	9.97	9.59
Chemicals and allied products	453.87	449.81	422.69	41.0	40.2	41.4	11.07	11.04	10.21
Rubber and misc. plastics products	318.94	324.61	322.33	42.3	42.6	42.3	7.54	7.62	7.62
NONMANUFACTURING	.....	.....	.....	....	....	.....	....	....	....
CONSTRUCTION	579.81	563.24	540.25	38.5	37.4	38.7	15.06	15.06	13.96
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	414.85	417.91	385.34	39.1	39.5	39.2	10.61	10.58	9.83
WHOLESALE TRADE	324.37	319.61	298.76	38.8	38.6	38.8	8.36	8.28	7.70
RETAIL TRADE[f]	155.85	157.95	152.10	29.8	30.2	30.0	5.23	5.23	5.07
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	201.74	201.69	193.44	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
OCTOBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1982[b]	September 1982[c]	October 1981[c]	September 1982	October 1981
TOTAL	855.1	856.9	885.3	- .2	- 3.4
MANUFACTURING	223.0	227.7	248.7	- 2.1	- 10.3
Durable Goods[e]	157.2	161.4	181.2	- 2.6	- 13.2
Furniture and fixtures	2.2	2.3	2.2	- 3.4	- 1.3
Primary metal industries	26.0	26.8	29.9	- 3.2	- 13.2
Blast furnace and basic steel products	13.7	13.8	15.5	- 1.2	- 11.8
Iron and steel foundries	6.4	6.9	7.3	- 7.3	- 13.2
Nonferrous foundries	2.7	2.7	2.9	- 1.9	- 8.9
Fabricated metal products	35.1	35.6	39.5	- 1.4	- 11.2
Fabricated structural metal products	4.0	4.1	4.6	- 2.0	- 12.8
Screw machine products, bolts, etc.	5.4	5.5	6.0	- 1.5	- 9.9
Metal forgings and stampings	12.4	12.6	14.1	- 2.3	- 12.2
Machinery, except electrical	36.1	37.8	45.7	- 4.5	- 21.0
Construction and related machinery	4.6[h]	5.7	8.0	- 19.4	- 42.9
Metalworking machinery	13.0	13.4	16.3	- 3.0	- 20.6
Special industry machinery	4.2	4.3	4.4	- 1.9	- 6.0
General industrial machinery	2.9	3.0	3.7	- 1.5	- 21.3
Electric and electronic equipment	23.6	23.9	25.2	- 1.2	- 6.3
Electrical industrial apparatus	7.8	8.0	9.0	- 2.0	- 13.3
Transportation equipment	19.6	20.3	22.8	- 3.3	- 13.8
Motor vehicles and equipment	12.8	13.4	15.3	- 4.4	- 16.2
Instruments and related products	6.2	6.2	6.6	- .2	- 6.2
Nondurable Goods[f]	65.8	66.3	67.5	- .7	- 2.5
Food and kindred products	8.3	8.2	8.3	.9	- .1
Bakery products	1.8	1.9	1.9	- 1.6	- 2.1
Beverages	1.6	1.6	1.5	- .8	1.5
Apparel and other textile products	5.4	5.3	5.5	1.7	- 2.8
Paper and allied products	5.0	5.0	5.1	- 1.1	- 2.0
Printing and publishing	14.8	14.8	15.5	.0	- 4.3
Chemicals and allied products	15.4	15.4	16.0	- .1	- 3.9
Industrial inorganic chemicals	3.9	4.0	4.2	- 2.0	- 7.8
Rubber and misc. plastics products	10.5	11.0	10.9	- 4.3	- 4.0
NONMANUFACTURING[g]	632.1	629.2	636.6	.5	- .7
CONSTRUCTION	27.7	27.5	29.6	.6	- 6.4
TRANSPORTATION AND PUBLIC UTILITIES	44.2	44.3	45.9	- .2	- 3.8
Communication, electric, gas services	19.8	19.8	20.1	- .1	- 1.5
WHOLESALE TRADE	61.0	61.0	62.0	.1	- 1.5
RETAIL TRADE	135.1	135.3	138.0	- .1	- 2.1
FINANCE, INSURANCE, AND REAL ESTATE	47.6	48.0	47.9	- .8	- .6
Banking	13.3	13.4	13.6	- 1.1	- 2.3
Insurance carriers	11.8	11.7	11.9	.5	- 1.3
SERVICES	200.0	199.4	194.8	.3	2.7
GOVERNMENT	115.2	112.5	117.1	2.4	- 1.7
Federal government	19.1	18.9	19.5	.8	- 2.2
State government (includes education)	7.7	7.0	7.9	9.9	- 3.2
Local government	88.4	86.5	89.7	2.2	- 1.4
Local government, except education	45.1	46.4	45.2	- 2.8	- .2
Local government education	43.3	40.1	44.5	8.0	- 2.6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
OCTOBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1982[b]	September 1982[c]	October 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$400.07	$406.30	$400.08	39.3	39.6	40.7	$10.18	$10.26	$ 9.83
Durable Goods[d]	421.19	427.57	420.45	39.4	39.7	41.1	10.69	10.77	10.23
Furniture and fixtures	312.84	317.98	294.33	39.4	39.5	40.1	7.94	8.05	7.34
Primary metal industries	468.12	498.13	476.77	37.6	39.1	40.2	12.45	12.74	11.86
Blast furnace and basic steel products	489.29	489.28	488.97	35.1	35.2	37.7	13.94	13.90	12.97
Iron and steel foundries	513.91	632.91	572.33	39.9	45.5	43.0	12.88	13.91	13.31
Nonferrous foundries	332.87	320.12	304.62	39.3	38.2	37.7	8.47	8.38	8.08
Fabricated metal products	404.43	400.92	399.80	39.0	39.0	40.1	10.37	10.28	9.97
Fabricated structural metal products	339.04	345.02	336.53	39.7	40.4	40.4	8.54	8.54	8.33
Screw machine products, bolts, etc.	348.38	340.38	347.11	37.5	37.2	39.4	9.29	9.15	8.81
Metal forgings and stampings	490.37	489.46	485.61	39.9	39.6	40.4	12.29	12.36	12.02
Machinery, except electrical	424.51	415.94	417.58	40.2	39.5	41.1	10.56	10.53	10.16
Construction and related machinery	446.31	467.37	455.20	40.5	40.5	40.0	11.02	11.54	11.38
Metalworking machinery	380.25	375.38	414.08	37.5	37.5	41.7	10.14	10.01	9.93
Special industry machinery	419.89	421.29	406.81	39.5	38.9	40.6	10.63	10.83	10.02
General industrial machinery	381.02	378.40	420.17	38.8	38.3	42.7	9.82	9.88	9.84
Electric and electronic equipment	353.72	345.85	381.50	38.7	38.3	43.7	9.14	9.03	8.73
Electrical industrial apparatus	351.73	344.88	430.35	35.6	36.0	45.3	9.88	9.58	9.50
Transportation equipment	506.74	537.07	501.76	41.4	43.0	42.2	12.24	12.49	11.89
Motor vehicles and equipment	504.19	560.73	523.30	39.7	43.1	42.1	12.70	13.01	12.43
Instruments and related products	337.84	339.86	301.90	41.1	41.7	40.2	8.22	8.15	7.51
Nondurable Goods[e]	343.78	343.30	334.51	39.2	39.1	39.4	8.77	8.78	8.49
Food and kindred products	356.49	384.14	335.86	40.1	41.8	39.7	8.89	9.19	8.46
Bakery products	368.48	422.86	357.80	39.2	42.8	39.8	9.40	9.88	8.99
Beverages	330.37	330.79	294.47	41.4	41.4	38.9	7.98	7.99	7.57
Apparel and other textile products	251.97	246.49	243.72	37.0	36.9	38.2	6.81	6.68	6.38
Paper and allied products	371.69	365.12	345.06	40.8	40.3	40.5	9.11	9.06	8.52
Printing and publishing	355.99	359.20	356.22	36.7	36.1	37.3	9.70	9.95	9.55
Chemicals and allied products	407.23	408.44	402.78	40.2	40.4	41.1	10.13	10.11	9.80
Industrial inorganic chemicals	397.80	397.56	411.43	39.0	38.9	40.1	10.20	10.22	10.26
Rubber and misc. plastics products	315.06	295.37	288.46	40.6	39.7	40.4	7.76	7.44	7.14
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	641.80	609.78	603.33	38.5	36.8	38.7	16.67	16.57	15.59
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	469.90	469.94	447.31	40.3	40.2	41.0	11.66	11.69	10.91
WHOLESALE TRADE	330.96	331.43	317.29	38.8	38.9	38.6	8.53	8.52	8.22
RETAIL TRADE[f]	163.29	166.17	156.44	28.3	28.6	28.6	5.77	5.81	5.47
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	236.32	234.94	217.20	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
OCTOBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1982[b]	September 1982[c]	October 1981[c]	September 1982	October 1981
TOTAL	512.5	505.4	515.4	1.4	- .6
MANUFACTURING	88.2	88.3	93.6	- .2	- 5.8
Durable Goods[e]	55.3	55.4	59.8	- .4	- 7.7
Stone, clay, and glass products	9.1	9.2	9.8	- .4	- 7.1
Fabricated metal products	8.5	8.8	11.1	- 3.3	- 23.6
Machinery, except electrical	10.6	10.5	12.0	.8	- 11.6
Electric and electronic equipment	11.5	11.6	12.1	- .9	- 4.5
Transportation equipment	6.9	6.9	6.0	- .2	14.5
Nondurable Goods[f]	32.9	32.9	33.7	.1	- 2.4
Food and kindred products	10.9	10.9	10.8	.7	1.2
Printing and publishing	8.5	8.5	8.7	.5	- 2.0
Chemicals and allied products	5.9	6.0	5.9	- .7	.5
Rubber and misc. plastics products	2.7	2.6	2.9	1.1	- 8.1
NONMANUFACTURING[g]	424.3	417.0	421.8	1.7	.6
CONSTRUCTION	17.9	18.1	19.4	- 1.1	- 7.7
TRANSPORTATION AND PUBLIC UTILITIES	23.6	23.7	24.7	- .1	- 4.1
Communication, electric, gas services	11.2	11.2	11.6	.0	- 3.5
WHOLESALE TRADE	27.6	27.7	27.3	- .3	1.2
RETAIL TRADE	94.5	93.8	94.8	.7	- .4
FINANCE, INSURANCE, AND REAL ESTATE	41.5	41.5	39.8	- .1	4.2
Banking	8.1	8.1	7.9	.5	2.7
Insurance carriers	17.9	17.9	17.2	.1	4.1
SERVICES	115.3	114.3	111.1	.9	3.8
GOVERNMENT	103.0	97.0	104.0	6.2	- .9
Federal government	11.3	11.4	11.4	- .3	- .8
State government	49.7	44.5	50.2	11.7	- .9
State government, except education	28.9	28.6	29.2	1.0	- 1.0
State government education[i]	20.9	15.9	21.0	31.0	- .7
Local government	42.0	41.2	42.4	2.0	- .9
Local government, except education	17.2	17.6	17.4	- 1.8	- .8
Local government education	24.8	23.6	25.0	4.8	- 1.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes. [i]Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
OCTOBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1982[b]	September 1982[c]	October 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$378.65	$376.91	$356.61	39.9	39.8	39.8	$ 9.49	$ 9.47	$ 8.96
Durable Goods[d]	392.03	392.40	368.02	39.8	40.0	39.7	9.85	9.81	9.27
Stone, clay, and glass products	366.60	372.91	350.95	39.0	40.8	39.7	9.40	9.14	8.84
Fabricated metal products	446.93	448.27	417.20	40.3	39.6	39.1	11.09	11.32	10.67
Machinery, except electrical	377.40	374.74	349.46	40.8	40.6	40.4	9.25	9.23	8.65
Electric and electronic equipment	389.54	392.04	357.08	40.2	40.5	39.5	9.69	9.68	9.04
Transportation equipment	487.90	465.34	421.59	42.5	41.4	41.7	11.48	11.24	10.11
Nondurable Goods[e]	351.60	348.08	336.10	40.0	39.6	40.3	8.79	8.79	8.34
Food and kindred products	354.80	360.32	352.38	41.4	41.8	41.9	8.57	8.62	8.41
Printing and publishing	404.08	397.94	362.84	37.8	37.4	37.1	10.69	10.64	9.78
Chemicals and allied products	387.73	389.91	365.25	40.6	40.7	41.6	9.55	9.58	8.78
Rubber and misc. plastics products	295.82	302.54	300.98	41.2	41.5	41.4	7.18	7.29	7.27
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	524.89	505.97	486.86	39.2	38.1	39.2	13.39	13.28	12.42
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	457.60	456.86	433.05	40.0	39.9	40.7	11.44	11.45	10.64
WHOLESALE TRADE	309.68	310.47	290.12	39.3	39.5	39.1	7.88	7.86	7.42
RETAIL TRADE[f]	150.64	154.12	144.21	28.0	28.7	28.9	5.38	5.37	4.99
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	231.32	229.24	182.23	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government	.....	.....	.....	....	....	....	....	....	....
State government, except education	.....	.....	.....	....	....	....	....	....	....
State government education	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
OCTOBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1982[b]	September 1982[c]	October 1981[c]	September 1982	October 1981
TOTAL	347.8	348.0	356.9	- .1	- 2.6
MANUFACTURING	87.7	89.7	98.1	- 2.2	- 10.6
Durable Goods[e]	60.8	62.4	67.7	- 2.5	- 10.1
Stone, clay, and glass products	2.0	2.1	2.3	- .6	- 10.3
Fabricated metal products	6.5	6.6	6.9	- 1.5	- 5.9
Machinery, except electrical	28.7	29.7	31.8	- 3.5	- 9.7
Metalworking machinery	6.0	6.3	7.1	- 4.0	- 15.2
Electric and electronic equipment	4.7	4.7	5.6	.3	- 15.3
Electrical industrial apparatus	2.7	2.7	3.4	- 1.9	- 20.8
Transportation equipment	12.9	13.2	14.5	- 2.0	- 11.0
Nondurable Goods[f]	26.9	27.3	30.5	- 1.5	- 11.8
Food and kindred products	3.2	3.3	3.1	- 4.2	4.2
Paper and allied products	5.1	5.0	5.5	2.5	- 7.1
Printing and publishing	7.6	7.5	9.3	.7	- 18.4
Rubber and misc. plastics products	7.2	7.7	9.0	- 5.5	- 19.2
NONMANUFACTURING[g]	260.0	258.3	258.8	.7	.5
CONSTRUCTION	11.5	11.5	12.3	.6	- 6.4
TRANSPORTATION AND PUBLIC UTILITIES	13.0	13.1	13.4	- .1	- 3.0
Communication, electric, gas services	6.3	6.3	6.6	.1	- 4.4
WHOLESALE TRADE	16.7	16.7	16.6	.0	.5
RETAIL TRADE	56.0	56.0	56.9	- .1	- 1.7
FINANCE, INSURANCE, AND REAL ESTATE	14.0	14.1	13.7	- .8	2.5
SERVICES	79.0	78.8	75.6	.1	4.4
GOVERNMENT	69.4	67.7	69.8	2.6	- .5
Federal government	26.1	26.8	26.2	- 2.8	- .4
State government (includes education)	6.5	5.5	5.9	18.0	9.7
Local government	36.8	35.3	37.6	4.3	- 2.2
Local government, except education	12.4	12.7	13.1	- 2.4	- 5.8
Local government education	24.4	22.6	24.5	8.0	- .2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
OCTOBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1982[b]	September 1982[c]	October 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$394.00	$401.58	$409.36	39.4	39.8	41.1	$10.00	$10.09	$ 9.96
Durable Goods[d]	393.03	400.97	407.79	39.5	39.7	41.4	9.95	10.10	9.85
Stone, clay, and glass products	393.50	404.64	385.42	37.8	38.5	40.4	10.41	10.51	9.54
Fabricated metal products	307.72	316.95	301.15	39.1	38.7	40.1	7.87	8.19	7.51
Machinery, except electrical	404.15	413.66	430.78	39.7	40.2	42.4	10.18	10.29	10.16
Metalworking machinery	387.69	404.59	408.37	39.2	39.9	42.1	9.89	10.14	9.70
Electric and electronic equipment	298.85	296.06	296.53	39.9	38.6	40.9	7.49	7.67	7.25
Electrical industrial apparatus	314.40	302.95	311.95	39.3	36.9	41.1	8.00	8.21	7.59
Transportation equipment	499.38	506.66	520.42	40.6	40.5	41.6	12.30	12.51	12.51
Nondurable Goods[e]	396.08	402.80	411.87	39.1	40.6	40.3	10.13	10.07	10.22
Food and kindred products	419.58	405.27	391.64	40.5	39.5	39.6	10.36	10.26	9.89
Paper and allied products	357.34	353.22	320.36	41.6	41.9	40.5	8.59	8.43	7.91
Printing and publishing	376.54	370.48	412.91	36.7	36.9	39.4	10.26	10.04	10.48
Rubber and misc. plastics products	472.40	491.23	521.88	38.5	40.8	40.9	12.27	12.04	12.76
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	538.39	536.26	507.37	39.5	39.2	39.7	13.63	13.68	12.78
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	431.64	431.64	407.42	39.6	39.6	40.1	10.90	10.90	10.16
WHOLESALE TRADE	301.32	309.75	277.67	40.5	41.3	40.3	7.44	7.50	6.89
RETAIL TRADE[f]	149.06	149.87	146.81	29.0	29.1	28.9	5.14	5.15	5.08
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
OCTOBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1982[b]	September 1982[c]	October 1981[c]	September 1982	October 1981
TOTAL	289.0	287.5	295.3	.5	- 2.1
MANUFACTURING	67.2	69.1	74.1	- 2.7	- 9.2
Durable Goods[e]	52.1	52.8	57.8	- 1.2	- 9.8
Stone, clay, and glass products	11.5	11.6	12.9	- 1.3	- 11.1
Primary metal industries	3.6	3.9	4.4	- 6.6	- 16.9
Fabricated metal products	6.6	6.8	7.8	- 3.4	- 16.0
Metal forgings and stampings	2.9	3.2	3.7	- 9.5	- 22.2
Machinery, except electrical	5.9	5.9	6.9	.2	- 14.5
General industrial machinery	1.7	1.7	2.1	- 1.8	- 17.8
Transportation equipment	17.0	17.1	17.1	- .7	- .4
Motor vehicles and equipment	15.5	15.7	15.8	- .7	- 1.6
Nondurable Goods[f]	15.1	16.3	16.2	- 7.5	- 6.9
Food and kindred products	4.0	4.9	4.3	- 17.7	- 6.4
Petroleum and coal products	1.6	1.7	1.7	- 2.8	- 1.1
Rubber and misc. plastics products	2.9	3.0	3.1	- .5	- 3.7
NONMANUFACTURING[g]	221.8	218.4	221.2	1.5	.2
CONSTRUCTION	11.2	11.0	12.6	1.4	- 11.4
TRANSPORTATION AND PUBLIC UTILITIES	19.0	19.1	19.4	- .2	- 2.1
Communication, electric, gas services	7.7	7.8	7.7	- .3	1.0
WHOLESALE TRADE	14.3	14.3	14.7	.0	- 2.7
RETAIL TRADE	51.1	51.0	52.1	.1	- 2.0
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.8	10.5	.0	2.2
SERVICES	68.0	67.3	65.1	1.1	4.6
GOVERNMENT	46.8	44.3	46.2	5.6	1.2
State government (includes education)	15.1	13.4	14.9	12.9	1.9
Local government	28.9	28.2	28.6	2.7	1.1
Local government, except education	11.0	11.3	11.2	- 2.6	- 1.3
Local government education	17.9	16.8	17.4	6.2	2.6

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
OCTOBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1982[b]	September 1982[c]	October 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$452.92	$453.70	$419.22	41.4	41.7	41.1	$10.94	$10.88	$10.20
Durable Goods[d]	467.82	472.27	431.96	41.4	41.5	41.1	11.30	11.38	10.51
Stone, clay, and glass products	508.89	486.18	440.37	44.6	43.8	42.1	11.41	11.10	10.46
Primary metal industries	435.35	408.03	403.79	41.7	40.6	41.8	10.44	10.05	9.66
Fabricated metal products	429.27	438.19	408.10	41.0	40.8	41.6	10.47	10.74	9.81
Metal forgings and stampings	456.69	471.64	448.63	38.9	39.7	40.6	11.74	11.88	11.05
Machinery, except electrical	415.36	415.51	417.17	39.9	39.8	41.1	10.41	10.44	10.15
General industrial machinery	453.10	462.64	434.17	39.4	40.3	38.8	11.50	11.48	11.19
Transportation equipment	519.47	551.55	511.71	41.0	42.2	41.3	12.67	13.07	12.39
Motor vehicles and equipment	516.53	552.82	513.77	40.8	42.2	41.3	12.66	13.10	12.44
Nondurable Goods[e]	398.96	395.68	368.51	41.3	42.5	40.9	9.66	9.31	9.01
Food and kindred products	424.95	414.60	379.20	43.9	47.6	41.9	9.68	8.71	9.05
Petroleum and coal products	690.30	640.55	595.65	46.8	44.7	45.4	14.75	14.33	13.12
Rubber and misc. plastics products	337.60	321.75	323.95	40.0	39.0	40.8	8.44	8.25	7.94
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	598.78	575.75	590.55	36.6	35.0	37.4	16.36	16.45	15.79
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	456.74	466.16	448.33	40.1	40.5	41.9	11.39	11.51	10.70
WHOLESALE TRADE	337.17	339.19	323.92	38.8	38.5	38.7	8.69	8.81	8.37
RETAIL TRADE[f]	158.60	160.52	157.72	29.1	29.4	29.1	5.45	5.46	5.42
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
OCTOBER 1982

Industry	Employment (in thousands)			Percent[d] Change From	
	October 1982[b]	September 1982[c]	October 1981[c]	September 1982	October 1981
TOTAL	186.9	187.4	201.6	- .2	- 7.2
MANUFACTURING	54.9	55.1	68.8	- .4	- 20.2
Durable Goods[e]	49.0	49.2	63.0	- .4	- 22.2
Stone, clay, and glass products	2.1	1.9	1.9	14.2	10.1
Primary metal industries	22.2	22.3	29.4	- .5	- 24.4
Blast furnace and basic steel products	10.4	9.9	15.4	5.0	- 32.9
Fabricated metal products	8.3	8.6	9.4	- 3.3	- 11.3
Fabricated structural metal products	2.7	2.7	2.8	.5	- 3.1
Machinery, except electrical	4.8	4.8	5.5	- .9	- 12.6
Metalworking machinery	2.5	2.4	2.5	2.0	- 2.4
Electric and electronic equipment	2.9	2.6	3.2	12.2	- 9.9
Transportation equipment	6.9	7.2	11.7	- 4.5	- 41.4
Nondurable Goods[f]	5.9	6.0	5.9	- .5	1.3
NONMANUFACTURING[g]	132.0	132.2	132.7	- .1	- .5
CONSTRUCTION	6.1	6.3	6.9	- 2.6	- 11.1
TRANSPORTATION AND PUBLIC UTILITIES	9.0	9.0	9.4	- .6	- 4.5
Communication, electric, gas services	3.2	3.2	3.3	- 1.0	- 3.3
WHOLESALE TRADE	7.8	7.9	7.9	- .1	- .2
RETAIL TRADE	35.6	36.1	36.1	- 1.4	- 1.2
FINANCE, INSURANCE, AND REAL ESTATE	7.3	7.4	7.2	- .5	2.4
SERVICES	40.4	41.1	39.3	- 1.7	2.9
GOVERNMENT	24.8	23.6	25.3	5.3	- 2.0
Local government (includes education)	19.4	18.8	20.0	3.3	- 3.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
OCTOBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1982[b]	September 1982[c]	October 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]	Oct. 1982[b]	Sep. 1982[c]	Oct. 1981[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$458.57	$464.13	$460.88	39.6	39.5	39.8	$11.58	$11.75	$11.58
Durable Goods[d]	473.22	479.95	472.03	39.7	39.6	39.7	11.92	12.12	11.89
Stone, clay, and glass products	346.40	323.39	308.11	40.0	37.3	39.2	8.66	8.67	7.86
Primary metal industries	488.75	480.19	486.78	37.8	36.6	38.0	12.93	13.12	12.81
Blast furnace and basic steel products	509.01	496.31	517.03	37.1	35.4	38.7	13.72	14.02	13.36
Fabricated metal products	441.97	452.00	458.89	38.2	39.1	39.8	11.57	11.56	11.53
Fabricated structural metal products	364.72	353.60	355.68	37.6	37.3	39.0	9.70	9.48	9.12
Machinery, except electrical	430.92	417.28	445.43	37.9	36.7	39.7	11.37	11.37	11.22
Metalworking machinery	445.06	435.09	448.72	38.6	37.9	40.1	11.53	11.48	11.19
Electric and electronic equipment	398.55	390.31	331.96	41.3	40.7	38.6	9.65	9.59	8.60
Transportation equipment	576.44	640.93	532.88	46.3	49.8	43.5	12.45	12.87	12.25
Nondurable Goods[e]	325.40	325.14	331.61	38.6	38.8	41.4	8.43	8.38	8.01
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	595.92	546.21	539.60	38.2	35.7	38.0	15.60	15.30	14.20
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	437.70	436.51	432.65	39.9	39.9	42.5	10.97	10.94	10.18
WHOLESALE TRADE	340.96	326.74	331.57	39.6	37.6	39.9	8.61	8.69	8.31
RETAIL TRADE[f]	157.10	157.93	154.74	29.2	29.3	29.7	5.38	5.39	5.21
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

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